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## CLIMATE SOLUTIONS

Putting the brakes on climate change begins with mitigation.

Ecology North strives to raise awareness of the many environmental impacts associated with climate change in the north, and to drive research and innovation to meet the challenges of adaptation and mitigation. Here you can find information on all of our current and some of our past projects relating to climate change as well as a range of resources to boost your knowledge of climate change science, and measures you can take to reduce your carbon footprint.

Putting the brakes on climate change begins with mitigation – reducing our greenhouse gas emissions. For instance, you could drive a smaller vehicle, buy a four-stroke outboard, or increase the energy-efficiency of your home or business. These may seem like trivial solutions in the face of a global problem that could take generations to reverse. Besides, there are so few northerners. How could we make a difference?



It's true, we can't stop climate change by ourselves, since we release only a tiny fraction of the world's greenhouse gases. We need the whole world to burn less fossil fuels too. But northerners depend heavily on fossil fuels because of our unusually high heating needs and energy-hungry industries like mining. We can set an example to the rest of the world by using these fuels wisely.

Northerners are in a unique position to speak on the effects of climate change and the need to take action to mitigate those effects. The Earth's climate has been changing naturally for millions of years, but human activities that release heat-trapping gases are quickly warming the planet like never before through the greenhouse effect. Scientists predict that the North could heat up over the next fifty years by 5°C or more, with the most dramatic warming happening in winter. On top of that, average temperatures in the North are rising almost twice as fast as the rest of the world.



No one has ever seen change like this. The NWT is already one of the fastest-warming places on Earth. Northern climate change is a moving target, jumping ahead faster than anyone can predict.

Here's how the climate is changing right out your back door:

- Rapidly rising temperatures
  - Increased rain and snowfall in many regions
  - Shorter, warmer winters
  - More extreme fall and winter storms
- 
- Less predictable weather
  - Increased winds in some areas
  - Thinner ice

- Melting glaciers
- Lower water levels in some lakes and rivers
- Changes to plants and animals
- More forest fires in some areas
- More willows on the tundra

## Projects

Browse our recent Climate Solutions work:

### Young Leaders' Summit

June 4, 2025

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### Earth Week 2025

March 28, 2025

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### SOS – Seasons Of Smoke

May 26, 2024

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## Climate Resiliency In The NWT

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## Take Climate Action!

March 3, 2022

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## Community Sustainable Event Guide

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June 29, 2021

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## The Northern Building Retrofit Economy

March 23, 2021

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## Earth Week

April 22, 2020

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## Climate Action Training

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## Northern Adaptation Guides

December 2, 2019

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## Summer Of Smoke

February 7, 2018

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## Carbon Pricing In The NWT

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October 10, 2015

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## Integrating Climate Change Into Municipal Planning

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## Biodiesel Project

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## Fort McPherson Adaptation Planning Project

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## Tsiigehtchic Adaptation Planning Project

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## Climate Change Impacts On Northern Water And Wastewater

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## Preparing For Climate Change – Posters

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## Navigating The Waters Of Change

April 8, 2009

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## Adaptation And Mitigation Calls To Action

May 31, 2008

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## NWT Climate Change Leadership Summit Proceedings Report

July 20, 2007

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Ecology North strives to send out a weekly newsletter about environmental events and happenings in the NWT.

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News

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[NWT Science Focus](#)

[#LoveNWTwater](#)



PO Box 1684

5016 Franklin Ave,

Yellowknife, NT X1A 2P3

867-873-6019

[admin@ecologynorth.ca](mailto:admin@ecologynorth.ca)

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